



JFw

Patent

PD-202074

Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Paul R. Anderson

Serial No.: 10/532,631

I.A. Filing Date: October 20, 2003

371 (c) Date: April 25, 2005

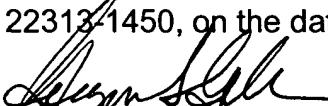
For: FEEDER LINK
CONFIGURATIONS TO SUPPORT
LAYERED MODULATION FOR
DIGITAL SIGNALS

Group Art Unit: 2664

Examiner: To be determined

: I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450, on the date below.


Georgann S. Grunebach

Typed or printed name of person signing certificate

Date: January 13, 2006

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 CFR 1.56. It is respectfully requested that the references be considered and made of record in the application identified above.

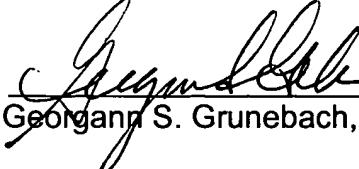
This statement should be considered because it is being submitted before the mailing of a first Office action on the merits under 37 C.F.R. §1.97(b)(3). Accordingly, it is submitted that no fee is due in this matter.

However, if it is determined that any appropriate fee is due, the Commissioner is hereby authorized to charge Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:


Georgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc.
RE/R11/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

January 13, 2006

Substitute for forms PTO/SB/08A and
PTO/SB/08B

JAN 20 2006

822

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 1 of 3

Complete if Known

Application Number	10/532,631
I.A. Filing Date	October 20, 2003
371 (c) Date	April 25, 2005
First Named Inventor	Paul R. Anderson
Art Unit	2664
Examiner Name	To be determined
Attorney Docket Number	PD-202074

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2004/0110467	06-2004	Wang, Arthur W.	
		US-6,535,801	03-2003	Geier et al.	
		US-6,325,332	12-2001	Cellier et al.	
		US-6,052,586	04-2000	Karabinis, Peter D.	
		US-5,995,832	11-1999	Mallinckrodt, Albert J.	
		US-2005/008100	01-2005	Chen, Ernest C.	
		US-2002/176516	11-2002	Jeske et al.	
		US-6,304,594	10-2001	Salinger, Sheldon Norman	
		US-5,579,344	11-1996	Namekata, Minoru	
		US-5,121,414	06-1992	Levine et al.	
		US-6,144,708	11-2000	Maruyama, Hidenori	
		US-6,055,278	04-2000	Ho et al.	
		US-6,330,336	12-2001	Kasama, Minoru	
		US-6,718,184	04-2004	Aiken et al.	
		US-5,819,157	10-1998	Ben-Efraim et al.	
		US-5,999,793	12-1999	Ben-Efraim et al.	
		US-6,297,691	10-2001	Anderson et al.	
		US-6,501,804	12-2002	Dietmar et al.	
		US-6,745,050	06-2004	Forsythe et al.	
		US-6,718,184	04-2004	Aiken et al.	
		US-5,625,640	04-1997	Palmer et al.	
		US-6,597,750	07-2003	Knutson et al.	
		US-6,433,835	08-2002	Hartson et al.	
		US-4,800,573	01-1989	Cupo, Robert L.	
		US-6,266,534	07-2001	Raith et al.	
		US-5,467,197	11-1995	Hoff, Don G.	
		US-6,574,235	06-2003	Arslan et al.	
		US-5,430,770	07-1995	Abbey	
		US-5,966,412	10-1999	Ramaswamy	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for forms PTO/SB/08A and PTO/SB/08B		Complete if Known	
		Application Number	10/532,631
		I.A. Filing Date	October 20, 2003
		371 (c) Date	April 25, 2005
		First Named Inventor	Paul R. Anderson
		Art Unit	2664
		Examiner Name	To be determined
Sheet 2 of 3		Attorney Docket Number	PD-202074

	US-5,329,311	07-1994	Ward et al.	
	US-5,450,623	09-1995	Yokoyama et al.	
	US-5,966,186	10-1999	Shigihara et al.	
	US-6,028,894	02-2000	Oishi et al.	
	US-6,032,026	02-2000	Seki et al.	
	US-6,034,952	03-2000	Dohi et al.	
	US-6,108,374	08-2000	Balachandran et al.	
	US-6,140,809	10-2000	Doi	
	US-6,219,095	04-2001	Zhang et al.	
	US-4,039,961	08-1977	Ishio et al.	
	US-6,275,678	08-2001	Bethscheider et al.	
	US-3,383,598	05-1968	Sanders	
	US-5,577,087	11-1996	Furuya	
	US-5,602,868	02-1997	Wilson	
	US-5,815,531	09-1998	Dent	
	US-5,960,040	09-1999	Cai et al.	
	US-6,987,068	11-1999	Cassia et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		EP 0929164	07-1999	Societe Europeene des Satellites	
		WO 02/073817	09-2002	Nokia Corporation	
		EP 0356096	02-1990	Meyers	
		EP 0238822	09-1987	NEC Corporation	
		WO 99/20001	04-1999	Silberger et al.	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute for forms PTO/SB/08A and PTO/SB/08B		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/532,631
		I.A. Filing Date	October 20, 2003
		371 (c) Date	April 25, 2005
		First Named Inventor	Paul R. Anderson
		Art Unit	2664
		Examiner Name	To be determined
Sheet 3 of 3		Attorney Docket Number	PD-202074

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	T
		FANG, T. et al.; "Fourth-Power Law Clock Recovery with Prefiltering", Proceedings of the International Conference on Communications (ICC), Geneva, May 23-26, 1993, New York, IEEE, US, Vol. 3, May 23, 1993, pages 811-815, XP010137089, ISBN:0-7803-0950-2, Section I, Introduction	
		JANSSEN, G.J.M; SLIMANE, S.B.: "Performance of a Multiuser Detector for M-PSK Signals Based on Successive Cancellation", ICC 2001, 2001 IEEE International Conference on Communications, Conference Record, Helsinki, Finland, June 11-14, 2001, XP010552960	
		SLIMANE, S.B.; JANSSEN, G.J.M.: "Power Optimization of M-PSK Cochannel Signals for a Narrowband Multiuser Detector", 2001 IEEE Pacific Rim Conference on Communications, Computer and Signal Processing, Victoria, B.C., Canada, August 26-28, 2001, XP010560334	
		SOONG, A.C.K.; KRZYMIEN, W.A.: "Performance of a Reference Symbol Assisted Multistage Successive Interference Cancelling Receiver in a Multicell CDMA Wireless System", Conference Record, Communication Theory Mini-Conference GlobeCom '95, IEEE Singapore 13-17 November 1995, XP010159490	
		ARSLAN, H; MOLNAR, K: "Iterative Co-channel Interference Cancellation in Narrowband Mobile Radio Systems", Emerging Technologies Symposium: Broadband, Wireless Internet Access, 2000 IEEE April 10-11, 2000, Piscataway, New Jersey, US, XP010538900	
		MAZZINI, GIANLUCA: "Power Division Multiple Access", Universal Personal Communications, 1998, ICUPC 1998, IEEE 1998, International Conference on Florence, Italy, 5-9 October 1998, New York, NY, US, IEEE, US 5 October 1998 (1998 10-5), pages 543-546, XP010314962 ISBN: 0-7803-5106-1	
		SALEH, A.A.M. et al.: "Adaptive Linearization of Power Amplifiers in Digital Radio Systems", Bell System Technical Journal, American Telephone and Telegraph Co., New York, US, Vol. 62, No. 4, Part 1, 1 April 1983 (1983-04-01), pages 1019-1033, XP002028354	
		RAMCHANDRAN, KANNAN et al.: "Multiresolution Broadcast for Digital HDTV Using Joint Source/Channel Coding, IEEE, Vol. 11, No. 1, January 1993, pp. 6-22	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.